

FIG. 1

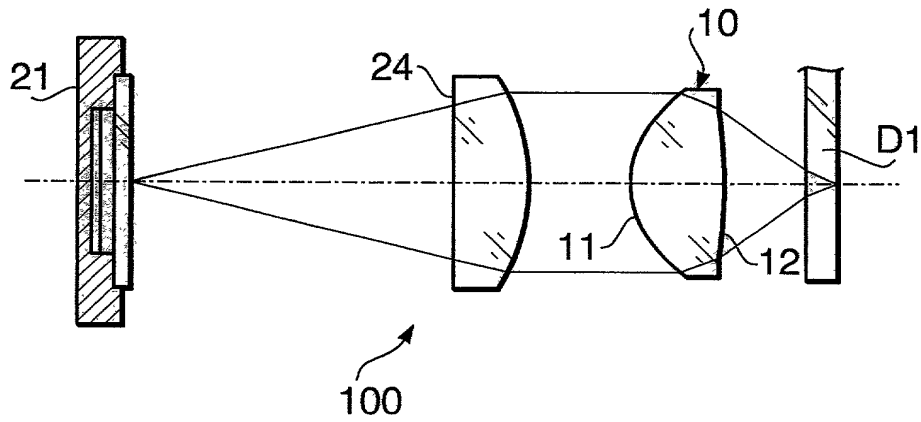


FIG.2A

FIG.2B

FIG.2C

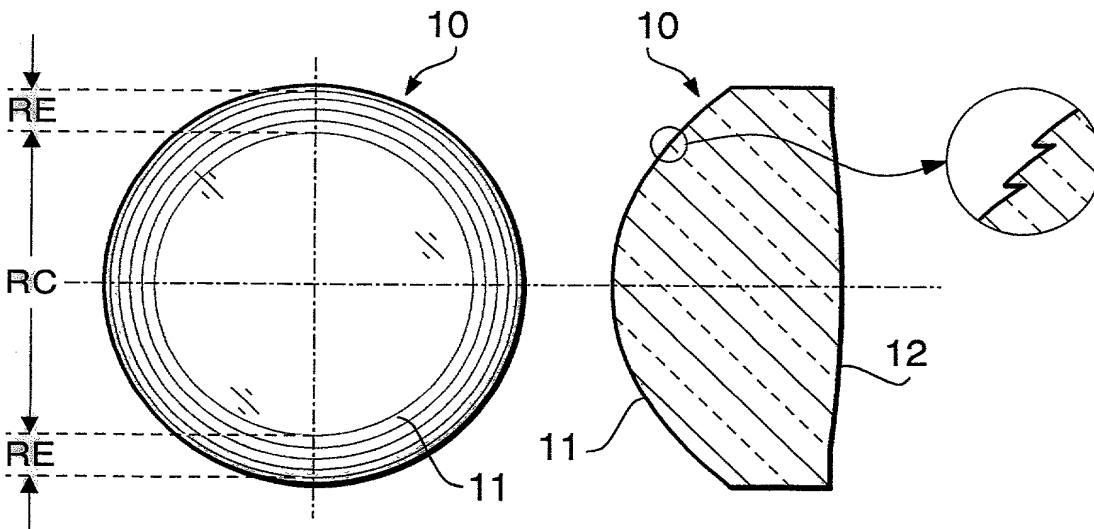


FIG. 3

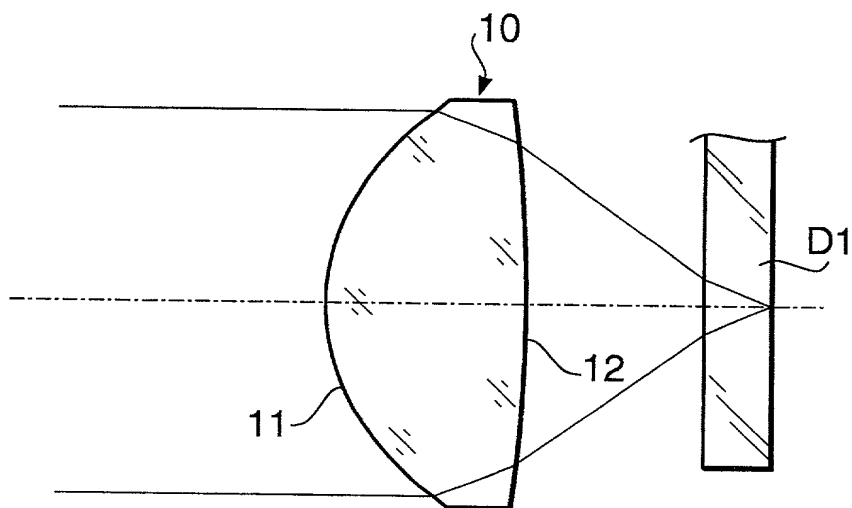
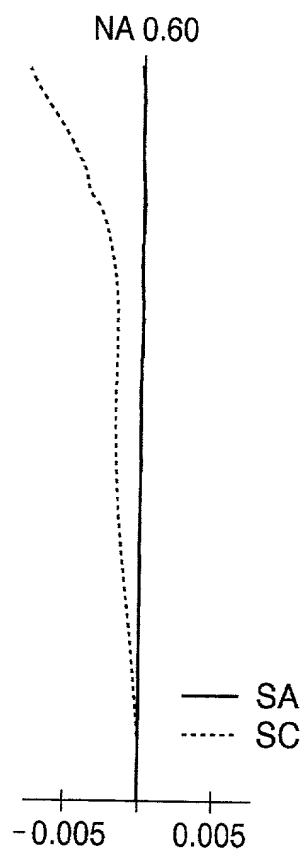
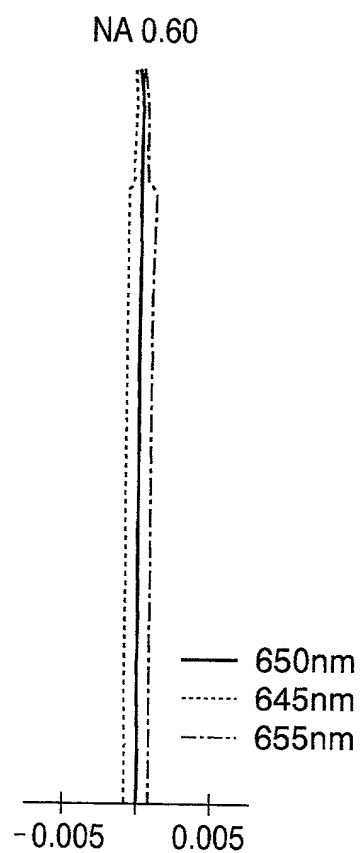


FIG.4A



SPHERICAL ABERRATION SA
SINE CONDITION SC

FIG.4B



SPHERICAL ABERRATION
CHROMATIC ABERRATION

FIG.5A

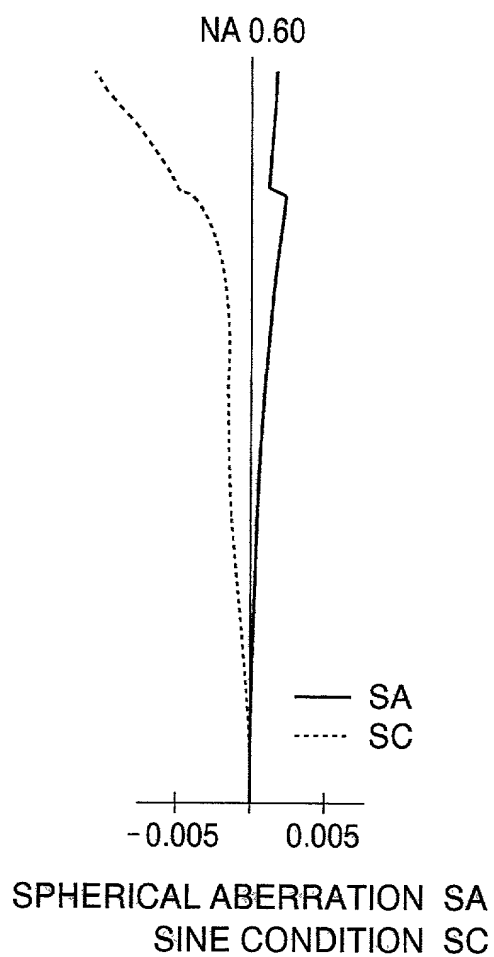


FIG.5B

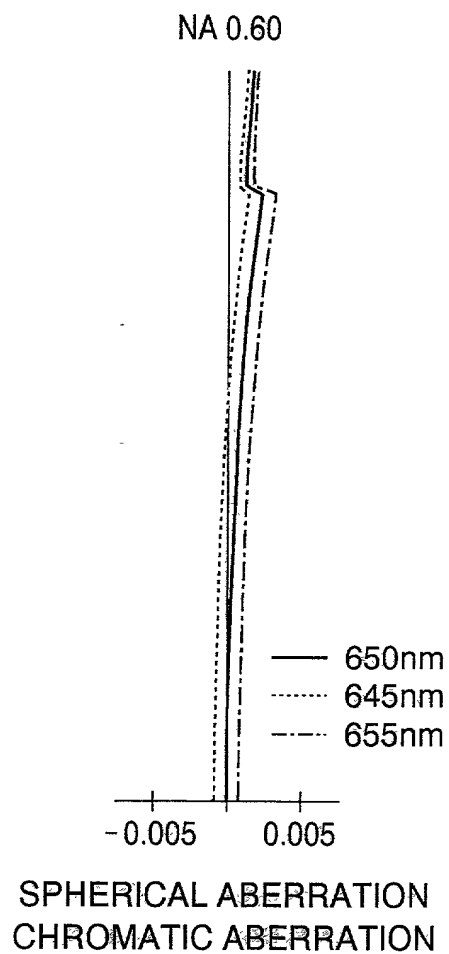


FIG.6A

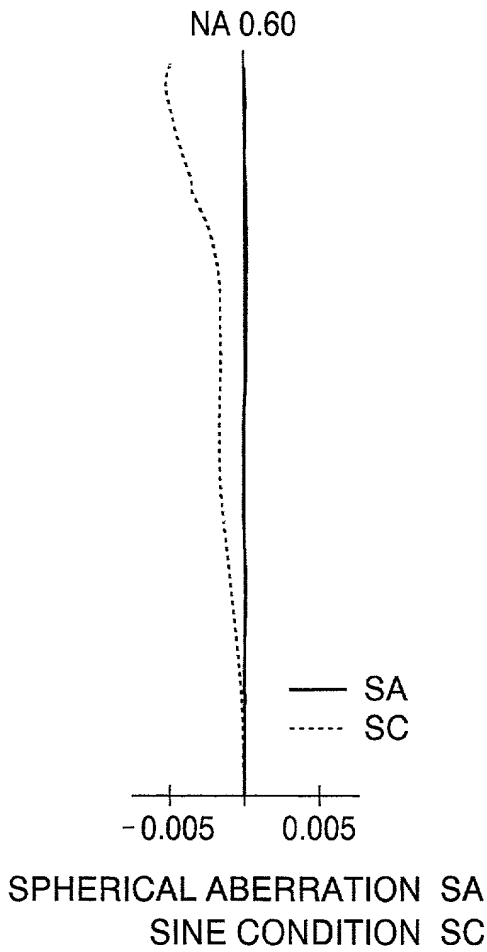


FIG.6B

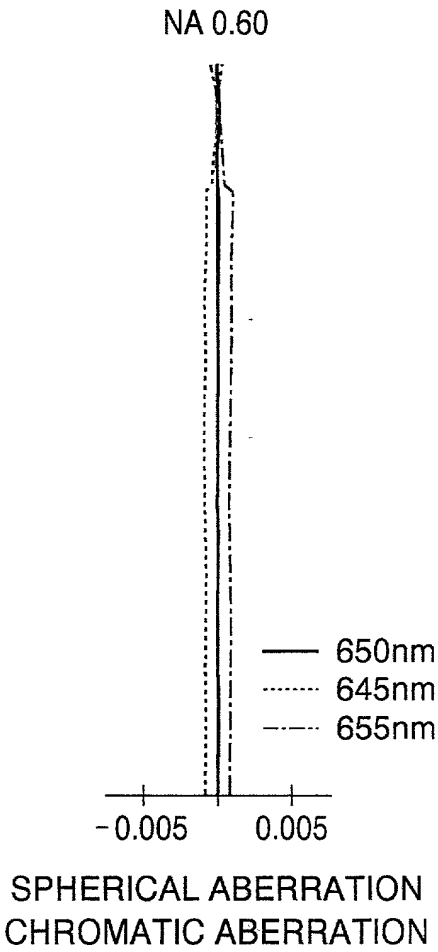


FIG.7A

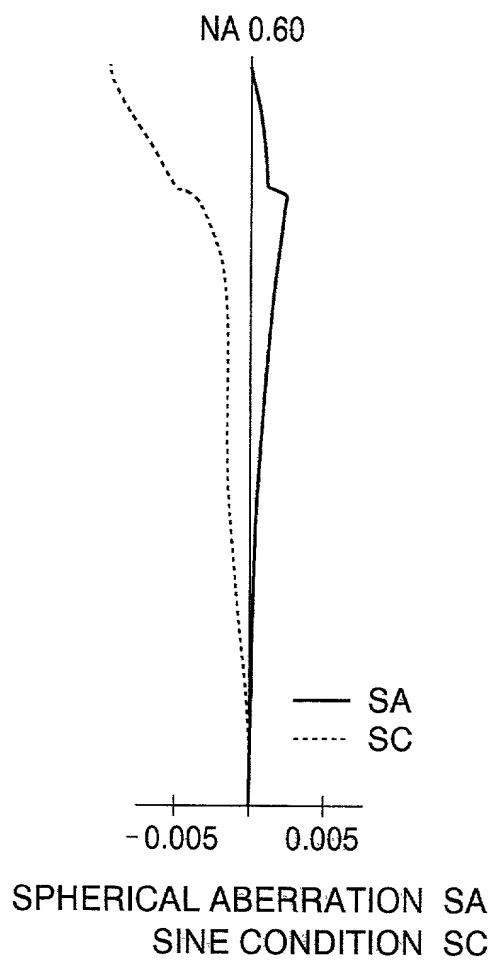


FIG.7B

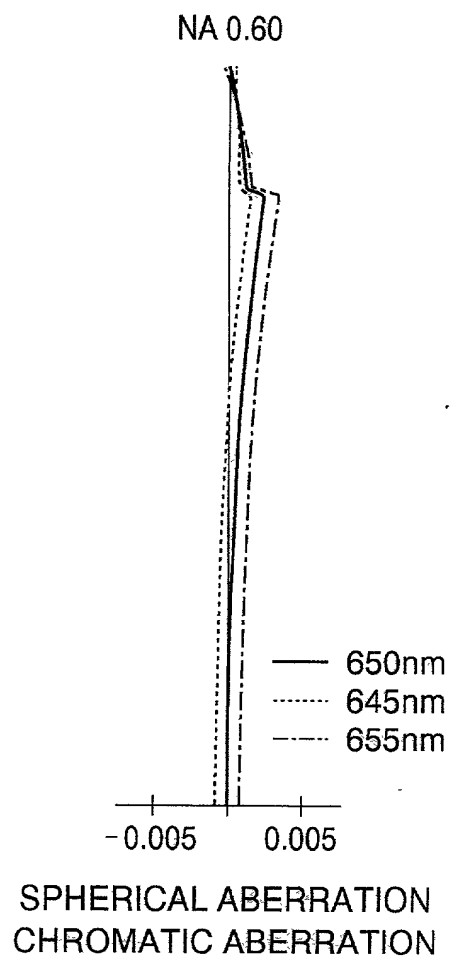


FIG. 8

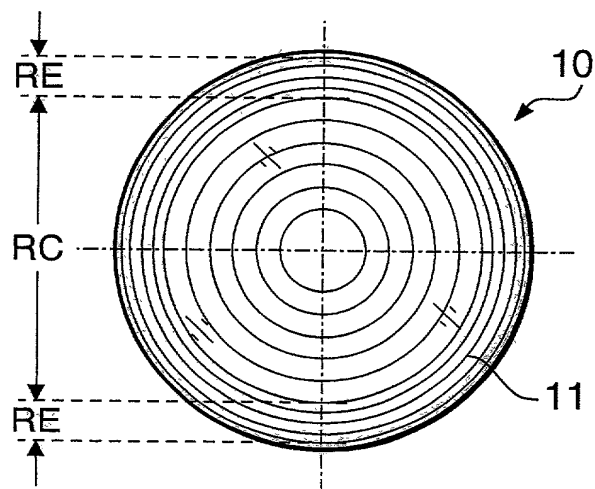
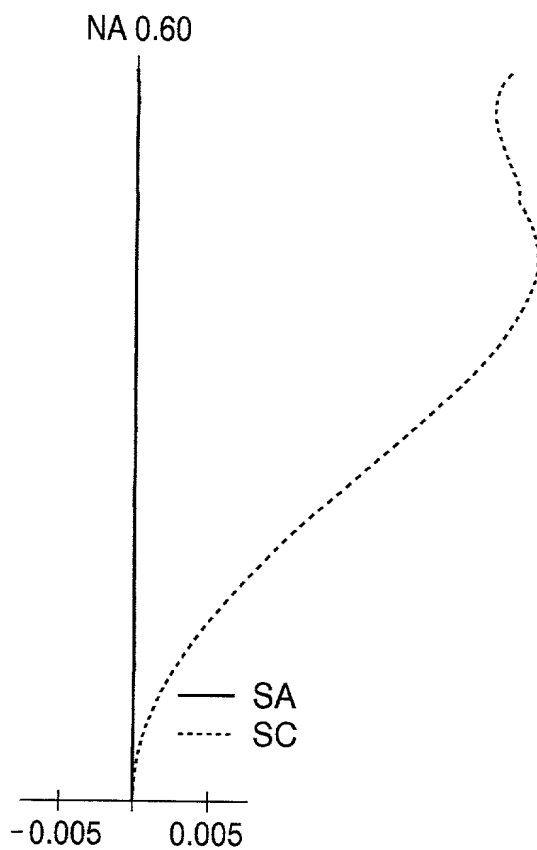
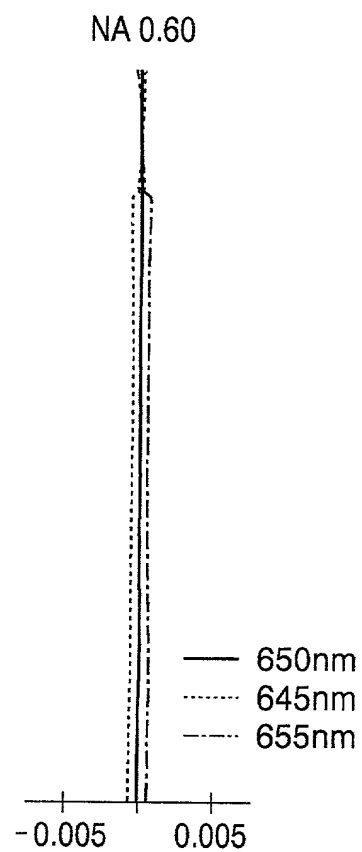


FIG.9A



SPHERICAL ABERRATION SA
SINE CONDITION SC

FIG.9B



SPHERICAL ABERRATION
CHROMATIC ABERRATION

FIG.10A

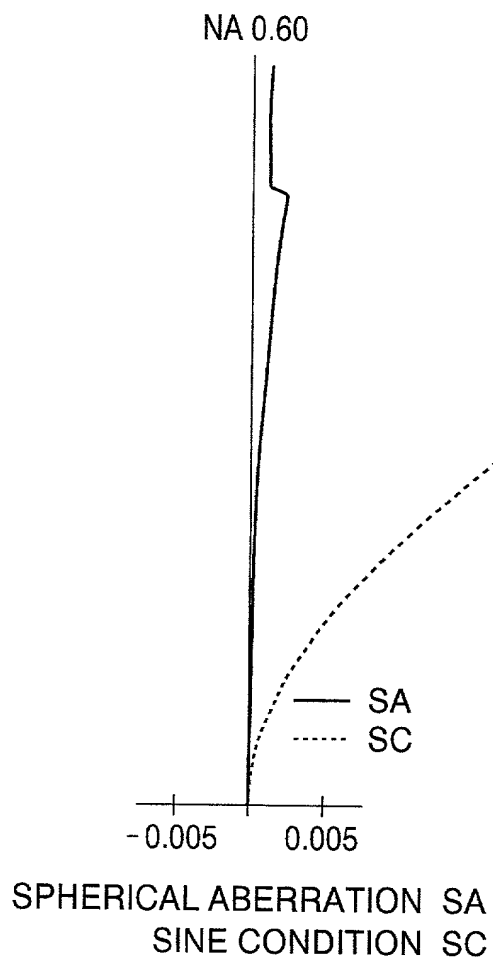


FIG.10B

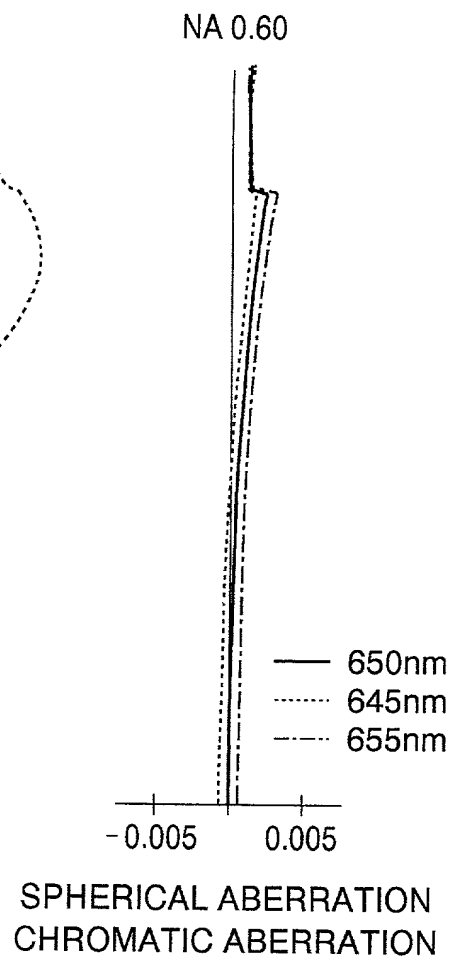


FIG.11

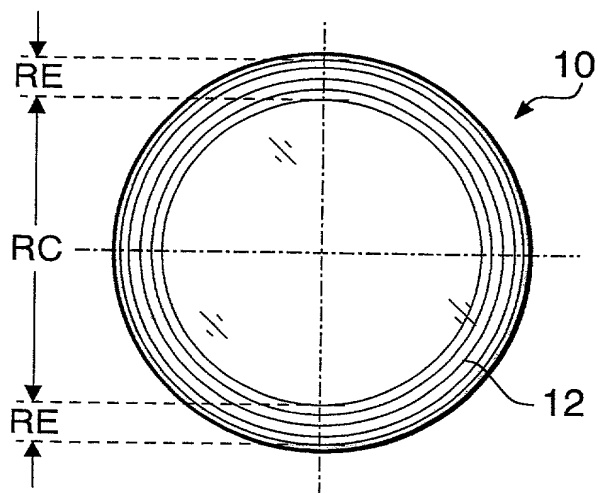
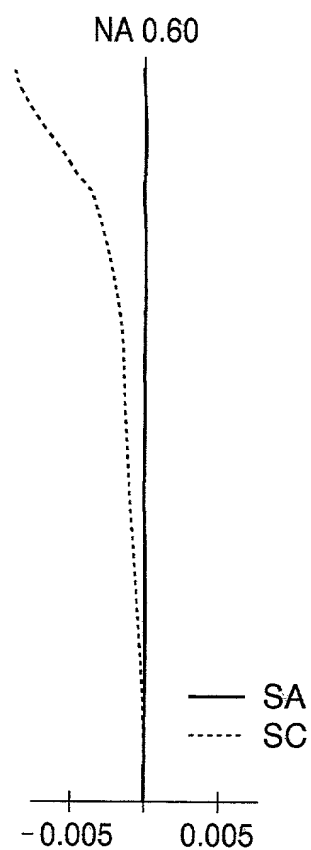
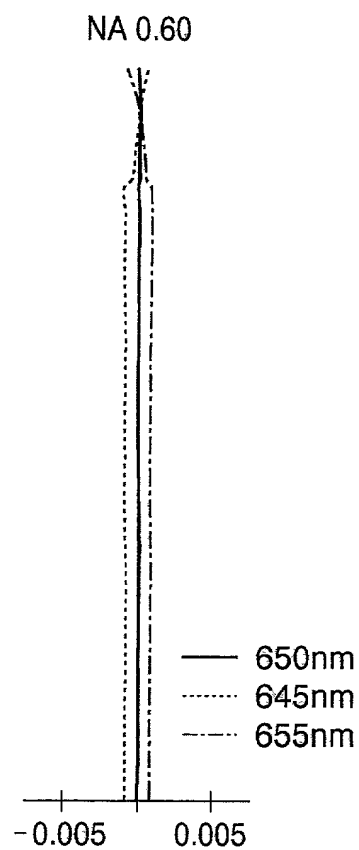


FIG.12A



SPHERICAL ABERRATION SA
SINE CONDITION SC

FIG.12B



SPHERICAL ABERRATION
CHROMATIC ABERRATION

FIG.13A

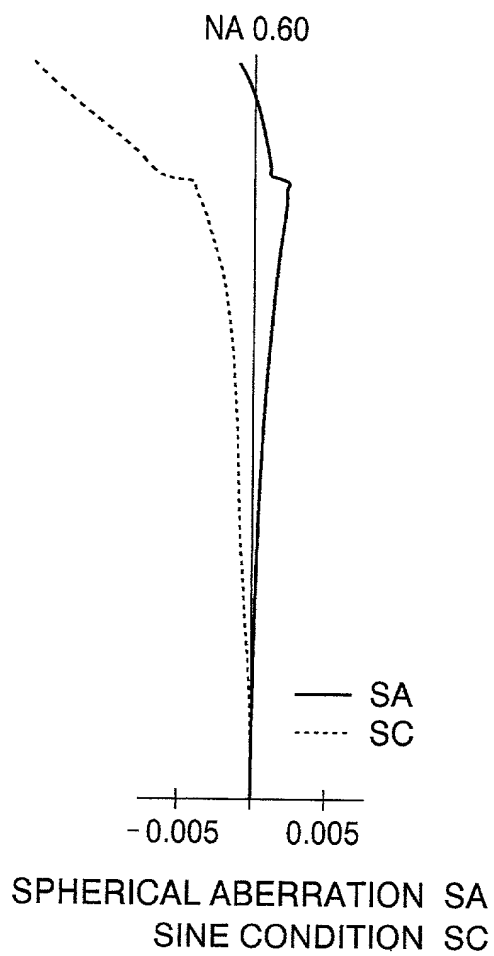


FIG.13B

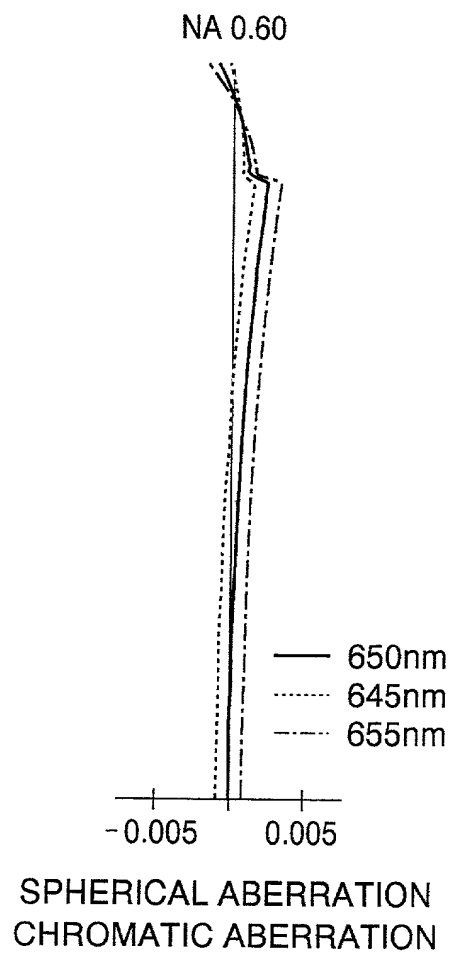
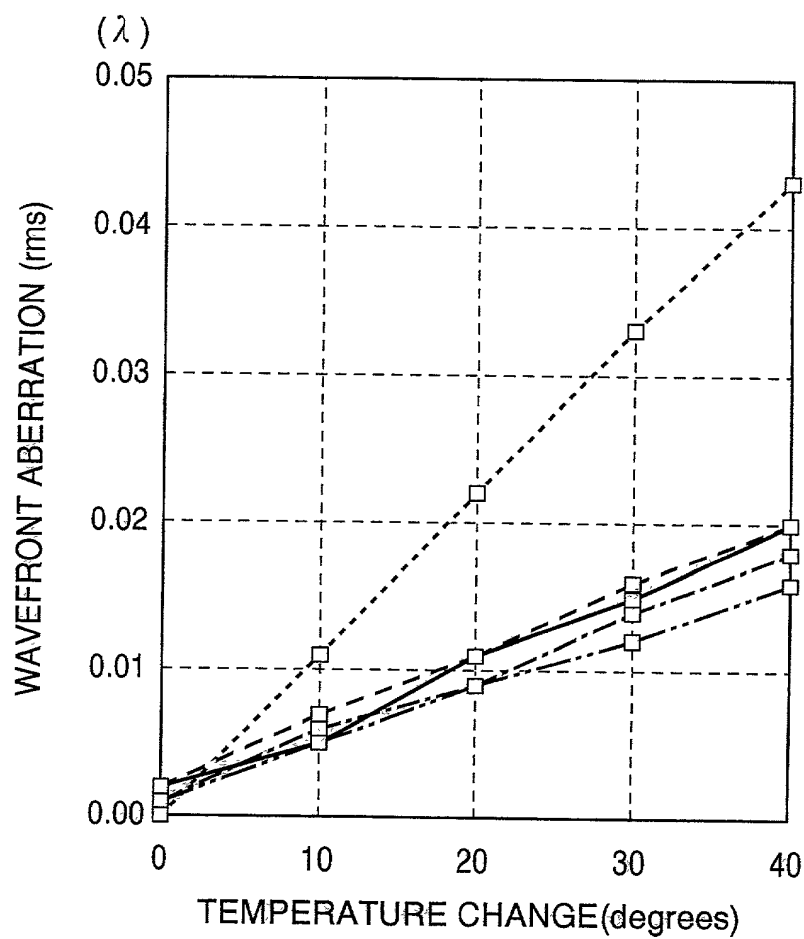


FIG.14



- 1ST EMBODIMENT
- .-.- 2ND EMBODIMENT
- 3RD EMBODIMENT
- 4TH EMBODIMENT
- COMPARATIVE EXAMPLE

FIG.15

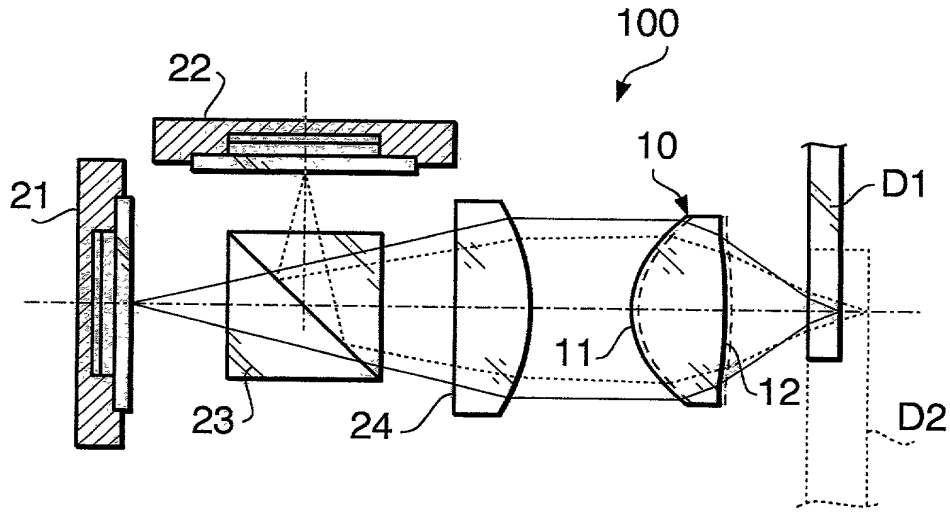


FIG.16

